RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/677,983A
Source: IFW0
Date Processed by STIC: 1/6/05

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IFWO

RAW SEQUENCE LISTING DATE: 01/06/2005
PATENT APPLICATION: **US/10/677,983A** TIME: 15:57:28

Input Set : **A:\Felder39.app**
Output Set: **N:\CRF4\01062005\J677983A.raw**

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 3 <110> APPLICANT: FELDER, ROBIN A.
 4       JOSE, PEDRO
 6 <120> TITLE OF INVENTION: G PROTEIN-RELATED KINASE MUTANTS IN ESSENTIAL
 7       HYPERTENSION
 9 <130> FILE REFERENCE: FELDER 3.9-001 CONT DIV
11 <140> CURRENT APPLICATION NUMBER: 10/677,983A
12 <141> CURRENT FILING DATE: 2003-10-02
14 <150> PRIOR APPLICATION NUMBER: 09/614,748
15 <151> PRIOR FILING DATE: 2000-07-12
17 <150> PRIOR APPLICATION NUMBER: PCT/US99/00663
18 <151> PRIOR FILING DATE: 1999-01-12
20 <150> PRIOR APPLICATION NUMBER: 60/071,199
21 <151> PRIOR FILING DATE: 1998-01-12
23 <150> PRIOR APPLICATION NUMBER: 60/098,279
24 <151> PRIOR FILING DATE: 1998-08-28
26 <160> NUMBER OF SEQ ID NOS: 34
28 <170> SOFTWARE: PatentIn Ver. 2.1
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49  65                  70                  75                  80
51 Ile Glu Phe Leu Asp Ala Val Ala Glu Tyr Glu Val Ala Asp Asp Glu
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54 Asp Arg Ser Asp Cys Gly Leu Ser Ile Leu Asp Arg Phe Phe Asn Asp
55              100                 105                 110
57 Lys Leu Ala Ala Pro Leu Pro Glu Ile Pro Pro Asp Val Val Thr Glu
58          115                 120                 125
60 Cys Arg Leu Gly Leu Lys Glu Glu Asn Pro Ser Lys Lys Ala Phe Glu
61      130                 135                 140
63 Glu Cys Thr Arg Val Ala His Asn Tyr Leu Arg Gly Glu Pro Phe Glu
64 145                 150                 155                 160
66 Glu Tyr Gln Glu Ser Ser Tyr Phe Ser Gln Phe Leu Gln Trp Lys Trp
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69 Leu Glu Arg Gln Pro Val Thr Lys Asn Thr Phe Arg His Tyr Arg Val
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73         195                 200                 205
75 Thr Gly Lys Met Tyr Ala Cys Lys Lys Leu Gln Lys Lys Arg Ile Lys
76     210                 215                 220
78 Lys Arg Lys Gly Glu Ala Met Ala Leu Asn Glu Lys Arg Ile Leu Glu
79 225                 230                 235                 240
81 Lys Val Gln Ser Arg Phe Val Val Ser Leu Ala Tyr Ala Tyr Glu Thr
82                 245                 250                 255
84 Lys Asp Ala Leu Cys Leu Val Leu Thr Ile Met Asn Gly Gly Asp Leu
85             260                 265                 270
87 Lys Phe His Ile Tyr Asn Leu Gly Asn Pro Gly Phe Asp Glu Gln Arg
88         275                 280                 285
90 Ala Val Phe Tyr Ala Ala Glu Leu Cys Cys Gly Leu Glu Asp Leu Gln
91     290                 295                 300
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94 305                 310                 315                 320
96 Asp Asp Arg Gly His Ile Arg Ile Ser Asp Leu Gly Leu Ala Thr Glu
97                 325                 330                 335
99 Ile Pro Glu Gly Gln Arg Val Arg Gly Arg Val Gly Thr Val Gly Tyr
100             340                 345                 350
102 Met Ala Pro Glu Val Val Asn Asn Glu Lys Tyr Thr Phe Ser Pro Asp
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105 Trp Trp Gly Leu Gly Cys Leu Ile Tyr Glu Met Ile Gln Gly His Ser
106     370                 375                 380
108 Pro Phe Lys Lys Tyr Lys Glu Lys Val Lys Trp Glu Glu Val Asp Gln
109 385                 390                 395                 400
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112                 405                 410                 415
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117 Leu Gly Cys Arg Gly Glu Gly Ala Ala Gly Val Lys Gln His Pro Val
118         435                 440                 445
120 Phe Lys Asp Ile Asn Phe Arg Arg Leu Glu Ala Asn Met Leu Glu Pro
121     450                 455                 460
123 Pro Phe Cys Pro Asp Pro His Ala Val Tyr Cys Lys Asp Val Leu Asp
124 465                 470                 475                 480
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129 Glu Asp Phe Tyr Ala Arg Phe Ala Thr Gly Cys Val Ser Ile Pro Trp
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160 Arg Leu Phe Arg Gln Phe Cys Asp Thr Lys Pro Ile Leu Lys Arg His
161          35                  40                  45
163 Ile Glu Phe Leu Asp Ala Val Ala Glu Tyr Glu Val Ala Asp Asp Glu
164      50                  55                  60
166 Asp Arg Ser Asp Cys Gly Leu Ser Ile Leu Asp Arg Phe Phe Asn Asp
167  65                  70                  75                  80
169 Lys Leu Ala Ala Pro Leu Pro Glu Ile Pro Pro Asp Val Val Thr Glu
170                  85                  90                  95
172 Cys Arg Leu Gly Leu Lys Glu Glu Asn Pro Ser Lys Lys Ala Phe Glu
173              100                 105                 110
175 Glu Cys Thr Arg Val Ala His Asn Tyr Leu Arg Gly Glu Pro Phe Glu
176          115                 120                 125
178 Glu Tyr Gln Glu Ser Ser Tyr Phe Ser Gln Phe Leu Gln Trp Lys Trp
179      130                 135                 140
181 Leu Glu Arg Gln Pro Val Thr Lys Asn Thr Phe Arg His Tyr Arg Val
182 145                 150                 155                 160
184 Leu Gly Lys Gly Gly Phe Gly Glu Val Cys Ala Cys Gln Val Arg Ala
185                 165                 170                 175
187 Thr Gly Lys Met Tyr Ala Cys Lys Lys Leu Gln Lys Lys Arg Ile Lys
188              180                 185                 190
190 Lys Arg Lys Gly Glu Ala Met Ala Leu Asn Glu Lys Arg Ile Leu Glu
191          195                 200                 205
193 Lys Val Gln Ser Arg Phe Val Val Ser Leu Ala Tyr Ala Tyr Glu Thr
194      210                 215                 220
196 Lys Asp Ala Leu Cys Leu Val Leu Thr Ile Met Asn Gly Gly Asp Leu
197 225                 230                 235                 240
199 Lys Phe His Ile Tyr Asn Leu Gly Asn Pro Gly Phe Asp Glu Gln Arg
200                 245                 250                 255
202 Ala Val Phe Tyr Ala Ala Glu Leu Cys Cys Gly Leu Glu Asp Leu Gln
203              260                 265                 270
205 Arg Glu Arg Ile Val Tyr Arg Asp Leu Lys Pro Glu Asn Ile Leu Leu
206          275                 280                 285
208 Asp Asp Arg Gly His Ile Arg Ile Ser Asp Leu Gly Leu Ala Thr Glu
209      290                 295                 300
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212 305                 310                 315                 320
214 Met Ala Pro Glu Val Val Asn Asn Glu Lys Tyr Thr Phe Ser Pro Asp
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Input Set : A:\Felder39.app
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217 Trp Trp Gly Leu Gly Cys Leu Ile Tyr Glu Met Ile Gln Gly His Ser
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221         355                 360                 365
223 Arg Ile Lys Asn Asp Thr Glu Glu Tyr Ser Glu Lys Phe Ser Glu Asp
224     370                 375                 380
226 Ala Lys Ser Ile Cys Arg Met Leu Leu Thr Lys Asn Pro Ser Lys Arg
227 385                 390                 395                 400
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230                 405                 410                 415
232 Phe Lys Asp Ile Asn Phe Arg Arg Leu Glu Ala Asn Met Leu Glu Pro
233             420                 425                 430
235 Pro Phe Cys Pro Asp Pro His Ala Val Tyr Cys Lys Asp Val Leu Asp
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242 465                 470                 475                 480
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245                 485                 490                 495
247 Glu Ser Glu Glu Ala Leu Pro Leu Asp Leu Asp Lys Asn Ile His Thr
248             500                 505                 510
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279  65                  70                  75                  80
281 Ile Glu Phe Leu Asp Ala Val Ala Glu Tyr Glu Val Ala Asp Asp Glu
282                  85                  90                  95
284 Asp Arg Ser Asp Cys Gly Leu Ser Ile Leu Asp Arg Phe Phe Asn Asp
285             100                 105                 110
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290 Cys Arg Leu Gly Leu Lys Glu Glu Asn Pro Ser Lys Lys Ala Phe Glu
291     130                 135                 140
293 Glu Cys Thr Arg Val Ala His Asn Tyr Leu Arg Gly Glu Pro Phe Glu
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297                 165                 170                 175
299 Leu Glu Arg Gln Pro Val Ile Lys Asn Thr Phe Arg His Tyr Arg Val
300             180                 185                 190
302 Leu Gly Lys Gly Gly Phe Gly Glu Val Cys Ala Cys Gln Val Arg Ala
303         195                 200                 205
305 Thr Gly Lys Met Tyr Ala Cys Lys Lys Leu Gln Lys Lys Arg Ile Lys
306     210                 215                 220
308 Lys Arg Lys Gly Glu Ala Met Ala Leu Asn Glu Lys Arg Ile Leu Glu
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314 Lys Asp Ala Leu Cys Leu Val Leu Thr Ile Met Asn Gly Gly Asp Leu
315             260                 265                 270
317 Lys Phe His Ile Tyr Asn Leu Gly Asn Pro Gly Phe Asp Glu Gln Arg
318         275                 280                 285
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321     290                 295                 300
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336     370                 375                 380
338 Pro Phe Lys Lys Tyr Lys Glu Lys Val Lys Trp Glu Glu Val Asp Gln
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341 Arg Ile Lys Asn Asp Thr Glu Glu Tyr Ser Glu Lys Phe Ser Glu Asp
342                 405                 410                 415
344 Ala Lys Ser Ile Cys Arg Met Leu Leu Thr Lys Asn Pro Ser Lys Arg
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347 Leu Gly Cys Arg Gly Glu Gly Ala Ala Gly Val Lys Gln His Pro Val
348         435                 440                 445
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351     450                 455                 460
353 Pro Phe Cys Pro Asp Pro His Ala Val Tyr Cys Lys Asp Val Leu Asp
354 465                 470                 475                 480
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VERIFICATION SUMMARY DATE: 01/06/2005
PATENT APPLICATION: **US/10/677,983A** TIME: 15:57:29

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